WEST

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L4: Entry 15 of 44 File: DWPI Aug 1, 1995

DERWENT-ACC-NO: 1995-298352
DERWENT-WEEK: 199539

TITLE: Lubricating plastic coated steel plate - comprises zinc@ or zinc@ alloy plated steel plate having chromate layer and top plastic coating of polyester, polyurethane or acrylic! resin.

PRIORITY-DATA: 1993JP-0354169 (December 29, 1993)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 07195029 A	August 1, 1995		010	B05D007/14

INT-CL (IPC): B05D 7/14; B32B 15/08; C08K 3/36; C08L 101/00; C09D 5/00; C09D 167/02; C09D 175/00; C23C 22/24; C23C 22/82

ABSTRACTED-PUB-NO: JP07195029A
BASIC-ABSTRACT:

Steel plate with a lubricating plastic coating having good workability for pressing and good corrosion resistance consists of a Zn or Zn alloy plated steel plate having chromate layer 10-200 mg/m3 and top plastic coating of polyester, polyurethane, or acrylic resin 0.6-3.0 g/m2. The plastic coating is formed from paint contg. 100 pts.wt. of two different kinds of resins, 10-80 pts.wt. silica powder, and 1-20 pts.wt. of polyolefin wax with a m.pt. above 70 deg.C. One of the two different kinds of resins has a Tg of 40-60 deg.C and the other has above 65 deg.C Tg. The weight ratio of one to the other is 90/10 to 10/90.

USE - For cars, electric home appliances, or construction products.

ADVANTAGE - The plate can be processed by high speed pressing without lubrication oil. The processed parts keep original good corrosion resistance.

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L4: Entry 28 of 44 File: DWPI Nov 28, 1991

DERWENT-ACC-NO: 1992-019398
DERWENT-WEEK: 199203

TITLE: Applying protective coating film to car - comprises vacuum pressing a re-sepg. pressure sensitive adhesive plastic film on car body

PRIORITY-DATA: 1990JP-0065152 (March 15, 1990), 1990JP-0065125 (March 15, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 03267171 A	November 28, 1991		000	

INT-CL (IPC): B05D 3/00; B65B 33/04

ABSTRACTED-PUB-NO: JP03267171A
BASIC-ABSTRACT:

Re-separating pressure sensitive adhesive-provided plastic film is pressed, utilising vacuum on the body of a coated car, to cover the car body.

The re-separating pressure sensitive adhesive pref. comprises natural rubber, styrene-butadiene copolymer rubber, polyisobutylene acrylic resin, polyvinyl ether or polyvinyl isobutyl acrylate. Polybutyl acrylate or poly-2-ethyl hexyl acrylate is esp. pref. The plastic film pref. comprises thermoplastic plastic film with a film thickness of 10-2000 micron pref. 50-200 microns. The thermoplastic plastic film pref. comprises polyethylene, polypropylene or plasticising vinyl chloride resin.

USE/ADVANTAGE - Temporarily protects coating film of a completed car. The use of the plastic film, utilising vacuum, simply covers any complicated-shaped car with the car shape maintained.

WEST

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L4: Entry 32 of 44 File: DWPI Dec 12, 1990

DERWENT-ACC-NO: 1991-032060
DERWENT-WEEK: 199105

TITLE: Temporary protection of coated surface of new cars for transportation - comprises applying removable pressure sensitive adhesive plastic film or wrapping with heat shrinkable plastic film and heat treating or bot

PRIORITY-DATA: 1989JP-0120942 (May 15, 1989)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 02300281 A	December 12, 1990		000	

INT-CL (IPC): C09J 7/02

ABSTRACTED-PUB-NO: JP02300281A
BASIC-ABSTRACT:

A method for temp. protecting the coated surfaces of new finished cars consists of either (A) or (B) or both of them. (A) involves a removable pressure sensitive adhesive coated plastic film (a) on the surfaces of newly coated cars. (B) includes wrapping new coated cars with heat shrinkable plastic film (b) and heat treating.

(a) has an adhesive strength of 50-1,000 (200-500) g/25mm, an adhesive layer thickness of 1-500 (20-40) micron, and a base plastic film thickness of 1-1,000 (30-50) micron. A pressure sensitive adhesive may be selected from any conventional ones, but is pref. an acrylic resin having a glass transition temp. of -10to -60 deg.C such as polybutyl acrylate and poly-2-ethylhexyl acrylate. The base film may be selected from polyurethane, polyimide, nylon, polyethylene, polyester, polycarbonate, and plasticised PVC films. (b) has a thickness of 5-1,000 (10-50) micron, a heat shrinkage of 10-50 (10-30) % and a strength, of 4-10kg/25mm. (b) is obtd. from polyethylene, polypropylene and plasticised PVC films.

USE/ADVANTAGE - Used for protecting coated surfaces of new cars during transportation and storage from surface damages instead of conventional wax coating. This method can save wax coating and dewaxing processes and is free from evapn. of toxic solvents and treatment of waste water contg. wax resulting from the dewaxing coating.

WEST

End of Result Set

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L4: Entry 44 of 44 File: DWPI Mar 31, 1978

DERWENT-ACC-NO: 1978-34383A
DERWENT-WEEK: 197819

TITLE: Fabrication of side seals for cars - by coating primed steel sheet with thermosetting resin; adhering protective film; fixing to car body; and removing protection after painting

PRIORITY-DATA: 1976JP-0109601 (September 13, 1976)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 53034836 A	March 31, 1978		000	

INT-CL (IPC): B05D 7/14; C25D 13/00

ABSTRACTED-PUB-NO: JP53034836A
BASIC-ABSTRACT:

Method comprises (a) coating zinc-plated steel sheet with thermosetting top coat paints (e.g., acrylic, aminoalkyd or polyester type paints), opt. vvia undercoat film (0.5-10 mu dry film thickness), using a roll coater or curtain flow coater; (b) semi-curing the coated phase; (c) adhering plastic films to the semi-cured top coat phase of the steel sheet; (d) moulding to form a side seal for a car; (e) fixing the seal onto an uncoated car body; (f) subjecting the car body to pretreatment, under coating, middle coating and top coating; and then (g) releasing the plastic films adhered to the side seal.

The plastic films are e.g., 0.02-2mm. thick polyester, polycarbonate or polyamide. The top coat paint film is 5-50mu thick, (dry film).

Method improves corrosion resistance of the side seals.